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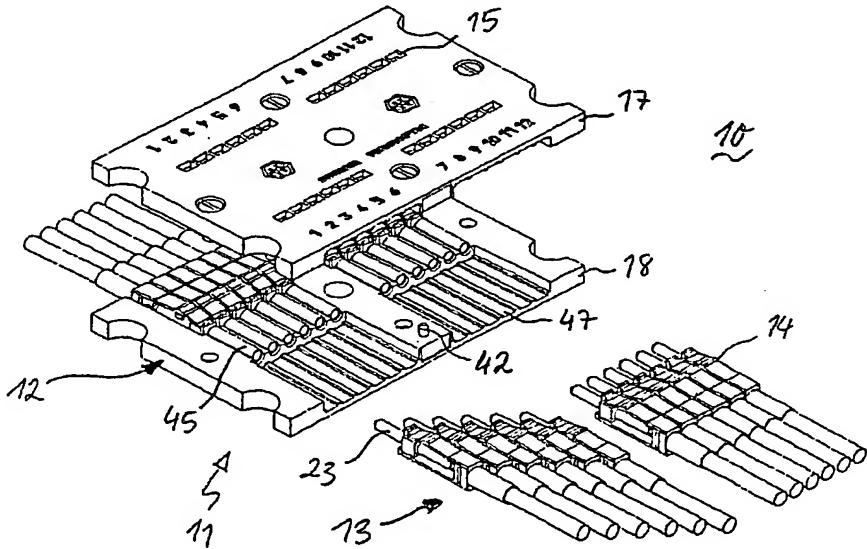
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(21) Internationales Aktenzeichen:	PCT/CH03/00011	(75) Erfinder/Anmelder (nur für US): ZÜLLIG, Marc-Andrew [CH/CH]; Wahrweg 3, CH-9320 Arbon (CH). EIGENMANN, Daniel [CH/CH]; Erlenbach 35, CH-9100 Herisau (CH).
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(25) Einreichungssprache:	Deutsch	(74) Anwalt: OTTOW, Jens, M.; Isler & Pedrazzini AG, Gotthardstrasse 53, Postfach 6940, CH-8023 Zürich (CH).
(26) Veröffentlichungssprache:	Deutsch	(81) Bestimmungsstaaten (national): AE, AG, AL, AM, AT (Gebrauchsmuster), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (Gebrauchsmuster), CZ, DE (Gebrauchsmuster), DE, DK (Gebrauchsmuster), DK, DM, DZ, EC, EE (Gebrauchsmuster), EE, ES, FI (Gebrauchsmuster), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO,
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(71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von US): HUBER + SUHNER AG [CH/CH]; Degersheimerstrasse 14, CH-9100 Herisau (CH).		

[Fortsetzung auf der nächsten Seite]

(54) Title: FIBRE-OPTIC PLUG-IN CONNECTOR SYSTEM

(54) Bezeichnung: FASEROPTISCHES STECKVERBINDERSYSTEM



(57) **Abstract:** The invention relates to a fibre-optic plug-in connector system (10) comprising an adapter (11), in addition to individual optical plug-in connectors (13), in which a respective optical fibre terminates in a ferrule (23) and which can be respectively inserted into the adapter (11) from two opposing sides to produce an optical connection between the ends of two optical fibres. According to the invention, the adapter (11) has a plurality of parallel guide sheaths (45), which are located next to one another in an adapter housing (12) and into which the optical plug-in connectors (13) comprising their ferrules (23) can be inserted from both sides. To achieve an extremely simple, space-saving construction for a plug-in connector system of this type, the adapter housing (12) is composed of several separate, interconnectable parts (17, 18), between which the guide sheaths (45) are held with a degree of play.

{Fortsetzung auf der nächsten Seite}



NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (Gebräuchsmuster), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

Veröffentlicht:

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- (84) Bestimmungsstaaten (regional): ARIPO-Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI-Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.

- (57) **Zusammenfassung:** Ein faseroptisches Steckverbinder system (10) umfasst einen Adapter (11) sowie einzelne optische Steckverbinder (13), in welchen jeweils eine optische Faser in einer Ferrule (23) endet, und welche zur Herstellung einer optischen Verbindung zwischen den Enden zweier optischer Fasern jeweils von zwei gegenüberliegenden Seiten in den Adapter (11) einsteckbar sind, wobei der Adapter (11) in einem Adaptergehäuse (12) eine Mehrzahl von parallel nebeneinander angeordneten Führungshülsen (45) aufweist, in welche die optischen Steckverbinder (13) mit ihren Ferrulen (23) von beiden Seiten einsteckbar sind. Bei einem solchen Steckverbinder system wird ein extrem einfacher und platzsparender Aufbau dadurch erreicht, dass das Adaptergehäuse (12) aus mehreren separaten, miteinander verbindbaren Teilen (17, 18) zusammengesetzt ist, zwischen denen die Führungshülsen (45) mit Spiel gehalten werden.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 430 107 A (NIPPON TELEGRAPH & TELEPHONE) 5 June 1991 (1991-06-05) cited in the application abstract; figures 1-43 ---	1
A	EP 1 168 020 A (BERG ELECTRONICS MFG) 2 January 2002 (2002-01-02) cited in the application abstract; figure 15 ---	1
A	US 5 214 730 A (ASHIYA FUMIHIRO ET AL) 25 May 1993 (1993-05-25) cited in the application abstract; figures 1-30 ---	1

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

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- *'8' document member of the same patent family

Date of the actual completion of the International search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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